



Dart Hawkesbury  
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada  
Tel (613) 632-5200  
Fax 613 632-5246

# Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Total	Supplier Name
PO041200	MCM001-VU	1		1 2% 10 Net 30	20NR-71	Stop Pin				25	10/4/2018	25		S115702	Stock	10/3/2018	\$ 0.52 / Ea	0	\$13.00	McMaster-Carr Supply Co,
		2	8NR-74		Bolt 5*1/2			12		12		S115704	Stock	10/3/2018	\$ 2.31 / Ea	0	\$27.72	McMaster-Carr Supply Co,		
		3	8631K211		Rubber Square Bar 90A Extra Hard			2		2		S115691	Stock	10/3/2018	\$ 18.18 / ft	0	\$36.35	McMaster-Carr Supply Co,		
		4	20NR-57		Lock Roller Pin Circlip			100		100		S115706	Stock	10/3/2018	\$ 0.09 / Ea	0	\$9.09	McMaster-Carr Supply Co,		
		5	MBRONZR1.000		Bronze Round Bar 1.000" ; MATERIAL: OIL IMPREGNATED SINTERED BRONZE ROUND BAR AS PER SAE 841 TYPE 1, CLASS A OR AMS 4805 OR ASTM B438 GRADE 1, TYPE 2 OR MIL-B-5687D TYPE 1, GRADE 1 receive ft			2		2		S115739	Stock	10/3/2018	\$ 60.19 / ft	0	\$130.60	McMaster-Carr Supply Co,		
		6	90081A078	Zinc-Plated Steel Screw Nails for Metal, Plastic and Plywood, Size 2, 5/16" Long			100		100		S115740	Stock	10/3/2018	\$ 0.04 / Ea	0	\$3.87	McMaster-Carr Supply Co,			
		7	9753K12	Flexible Vinyl Push-on Round Caps for 3/16"-1/4" OD, 1/2" Inside Height					100		S115741	Stock	10/3/2018	\$ 0.04 / Ea	0	\$3.89	McMaster-Carr Supply Co,			

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
		8			20NR-19	Actuator Pin - Short				20		20		S115743	Stock	10/3/2018	\$ 1.91 / Ea	0		\$38.24	McMaster-Carr Supply Co,
		9			92383A201	Roll Pin Ø3/32 X 5/16				100		100		S115746	Stock	10/3/2018	\$ 0.07 / Ea	0		\$7.31	McMaster-Carr Supply Co,
		10			MDELINR4.500W	M-Delrin Round Bar, White				3		3		S115791	Stock	10/3/2018	\$ 123.38 / ft	0		\$370.14	McMaster-Carr Supply Co,
										Total: 464		464								\$640.21	

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Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# **PURCHASE ORDER** **PO041200**

**Supplier:** MCM001-VU  
McMaster-Carr Supply Co,  
P.O. Box 7690  
Chicago, IL 60680-7690 USA  
Phone: 330 995 5500  
Fax: 330 995 9600

**PO No:** PO041200

**PO Date:** 10/1/18

**Due Date:** 10/4/18

**Purchase Order**  
**Revision:**

**Revision Date:**

**Ship-To Contact:** Lavoie, Chantal  
clavoie@dartaero.com

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground

**Pymt Terms:** 2% 10 Net 30

**Freight Terms:**

**Special Comments:**

**E-MAILED**  
OCT 01 2018

## Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1		20NR-71	98380A475 25/pk	Stop Pin	Firmed	-	10/4/18	25 Ea	0 Ea	25 Ea	\$0.52/Ea	\$13.00
2		8NR-74	91257A755 1/pk	Bolt 5*1/2	Firmed	-	10/4/18	12 Ea	0 Ea	12 Ea	\$2.31/Ea	\$27.72
3		8631K211		Rubber Square Bar 90A Extra Hard	Firmed	-	10/4/18	2 ft	0 ft	2 ft	\$18.175/ft	\$36.35
4		20NR-57	97633A170 100/pk	Lock Roller Pin Circlip	Firmed	-	10/4/18	100 Ea	0 Ea	100 Ea	\$0.0909/Ea	\$9.09
5		MBRONZR1.000	8932K45 6.5" long	Bronze Round Bar 1.000" : MATERIAL: OIL IMPREGNATED SINTERED BRONZE ROUND BAR AS PER SAE 841 TYPE 1, CLASS A OR AMS 4805 OR ASTM B438 GRADE 1, TYPE 2 OR MIL-B-5687D TYPE 1, GRADE 1 receive ft	Firmed	-	10/4/18	2.167 ft	0 ft	2 ft	\$60.18519/ft	\$130.42
Line Item Note 4 pcs of 6.5"												
6		90081A078	100/pk	Zinc-Plated Steel Screw Nails for Metal, Plastic and Plywood, Size 2, 5/16" Long	Firmed	-	10/4/18	100 Ea	0 Ea	100 Ea	\$0.0387/Ea	\$3.87

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1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada  
Tel (613) 632-5200

# PURCHASE ORDER

## PO041200

## Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
7		9753K12	100/pk	Flexible Vinyl Push-on Round Caps for 3/16"-1/4" OD, 1/2" Inside Height	Firmed	-	10/4/18	100 Ea	0 Ea	100 Ea	\$0.0389/Ea	\$3.89
8		20NR-19	97855A630 5/pk	Actuator Pin - Short	Firmed	-	10/4/18	20 Ea	0 Ea	20 Ea	\$1.912/Ea	\$38.24
9		92383A201	100/pk	Roll Pin Ø3/32 X 5/16	Firmed	-	10/4/18	100 Ea	0 Ea	100 Ea	\$0.0731/Ea	\$7.31
10		MDELINR4.500W FT	8572K37 3 FT	M-Delrin Round Bar, White	Firmed	-	10/4/18	3 ft	0 ft	3 ft	\$123.38/ft	\$370.14
Grand Total:												\$640.03

## Order Notes

## Procurement Quality Clauses

A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents  
  
A048 counterfeit parts avoidance, detection, mitigation and disposition program  
A049 supplier awareness

## Procurement Quality Clauses

A005 RIGHT OF ENTRY  
A016 PERSONNEL QUALIFICATION  
A026 CERTIFICATION OF MATERIAL CONFORMANCE  
A032 DOCUMENT SPECIAL REQUIREMENTS  
A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS  
A040 NOTIFICATION OF QUALITY ESCAPE  
A041 QUALITY MANAGEMENT SYSTEM  
A042 DART NOTIFICATION BY SUPPLIER  
A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

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200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada

Purchase Order  
**PO041200**

Order Placed By  
**Chantal Lavoie**

McMaster-Carr Number  
**1973392-01**

Page 1 of 1

10/01/2018

Line	Product	Ordered	Shipped
3	<b>8631K211</b> Abrasion-Resistant Polyurethane Rubber Square Bar, 24" Long, 3/4" Thick, 90A Durometer	1 Each	1

Shipped separately from our Cleveland warehouse on 10/01

1	<b>98380A475</b> 416 Stainless Steel Dowel Pins, 1/8" Diameter, 1" Long	1 Pack	1
2	<b>91257A755</b> Zinc Yellow-Chromate Plated Hex Head Screw, Grade 8 Steel, 1/2"-20 Thread Size, 5" Long, Partially Threaded	12 Packs	12
4	<b>97633A170</b> External Retaining Ring for 3/8" OD, Black-Phosphate 1060-1090 Spring Steel	1 Pack	1
5	<b>8932K45</b> Oil-Filled 841 Bearing Bronze Rod, 1" Diameter, 6-1/2" Long	4 Each	4
6	<b>90081A078</b> Zinc-Plated Steel Screw Nails for Metal, Plastic and Plywood, Size 2, 5/16" Long	1 Pack	1
7	<b>9753K12</b> Flexible Vinyl Push-on Round Caps for 3/16"-1/4" OD, 1/2" Inside Height	1 Pack	1
8	<b>97855A630</b> Mil. Spec. Slotted Spring Pin, 400 Series Stainless Steel, 1/4" Diameter, 1-1/2" Long	4 Packs	4
9	<b>92383A201</b> 400 Series Stainless Steel Slotted Spring Pin, 3/32" Diameter, 5/16" Long	1 Pack	1
10	<b>8572K37</b> White Delrin® Acetal Resin Rod, 4-1/2" Diameter, 3' Length	3 Feet	3



White Delrin® Acetal Resin Rod  
4-1/2" Diameter

In stock  
\$370.14 Each  
8572K37



Material	Delrin® Acetal Plastic
Cross Section Shape	Round
Construction	Solid
Texture	Smooth
Color	White
Clarity	Opaque
Diameter	4 1/2"
Diameter Tolerance	0" to +0.250"
Tolerance Rating	Oversized
Length	3 ft.
Hardness	Rockwell M90
Hardness Rating	Hard
For Use Outdoors	No
Temperature Range	-20° to 180° F
Impact Strength	1.00 ft.-lbs./in.
Impact Strength Rating	Good
Tensile Strength	9,000 psi
Tensile Strength Rating	Good
Specifications Met	ASTM D6100, NSF/ANSI Standard 51 for Food Contact, NSF/ANSI Standard 61 for Drinking Water
Density	0.051 lbs./cu. in.
Coefficient of Friction	0.20
Dielectric Strength	435 V/mil
Water Absorption	0.30%
Coefficient of Thermal Expansion	8.5 × 10 <sup>-5</sup> in./in./°F
RoHS	Compliant

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : DELRIN # 150E OR ACETRON GP ACETAL

PART NUMBER : M-DELRIN-R D.DDD X COLOR CODE  
DIA

WHERE D.DDD = DIAMETER IN INCHES  
X = COLOR CODE, "W" = WHITE, OMITTED = BLACK  
EG. 1" BLACK ROUND BAR = M-DELRIN-R1.000  
2" WHITE ROUND BAR = M-DELRIN-R2.000W

B	UPDATE DRAWING TO CURRENT STANDARDS, ADD MATERIALS CODE WITH ADDITION CIR-110, ADD ACETRON GP ACETAL AS OPTION (REV. A1).	SAD	17.10.19
A	NEW ISSUE	DS	01.11.12
REV.	DESCRIPTION	BY	DATE
DESIGN	SAD	DART AEROSPACE LTD	
DRAWN	SAD	HAWKESBURY, ONTARIO, CANADA	
CHECKED	RF	DRAWING NO.	
MFG. APPR.	RA	M-DELRIN-R	
APPROVED	HS	SHEET 1 OF 1	
DE APPR.	CP 47	SCALE	
DATE	17.10.19	DELIN ROUND BAR	
		NTS	

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2018 MAR 27 4P  
EJ 18-657

APPROVED

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M DELRIN R4.500W

PO / BATCH NO.: P0041200/S115791

DATE: 18/10/03

MATERIAL CERT REC'D: Yes

THICKNESS ORDERED: 4.500"

QUANTITY RECEIVED: 3ft

THICKNESS RECEIVED: 4.500"

QUANTITY INSPECTED: 3ft

SHEET SIZE ORDERED: -

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: -

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	DELIN
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	P0041200
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AA</u> DATE: <u>18/10/03</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in